



022004

17621 U.S. PTO

## **G-BALL**

17497 U.S. PTO  
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### **ABSTRACT**

**The G-Ball is scientifically designed ball of weights, measures, materials and gases. It's a one of a kind that will have a plethora of uses unlike anything before.**

### **CLAIM**

**The G-BALL in its basic state will float in mid-air, perfectly counterbalanced against the earth's gravity.**

### **DESCRIPTION**

**The G-BALL is to be blow molded in the shape of a sphere, injected with helium and sealed to the following calculations. The G-BALL will be made of LP5100 polyethylene a non-porous polymer with a density of .950.**

**The G-BALL outside radius will be 4.531 inches. The inside radius will be 4.500 inches.**

**The G-BALL surface area will equal 1.791773980882 square feet.**

**The G-BALL weight will be .14375 lbs. or approximately 2.1875 ounces.**

**The volume of the G-BALL will equal .22009282407 cubic feet. The volume gas capacity rule dictates that 10 times the amount of gas can be compressed into the volume of the G-BALL.**

**The G-BALL counterbalancing calculation equals 2.165625 cubic feet of helium gas injected into the G-BALL.**

**The formula used to arrive at this calculation is**

**$V = mRT / (P(M_{\text{air}} - M_{\text{helium}}))$**

### **Summary**

**The G-BALL is to be blow molded, injected with helium and sealed to the calculations above. I the inventor may alter any calculations depending on any weight, volume, surface area, shape, material or gas to arrive at the same ends. I claim the right to alter the molding process at any time. A valve may be used to regulate helium or whatever gas I choose.**

**All rights and calculations are reserved by Herman Thiele for any plastics or vessels capable of meeting calculation criteria. Too any advanced uses are the sole property of Herman Thiele. I.e. luminous induction, be it white or colored of the G-BALL, electrical induction be it static or other of the G-BALL, any medical or aerospace applications, etc. of the G-BALL or advancements from, will be solely by permission of and with compensation to Herman Thiele**

### **Patent Search Information**

**In my search for any patents similar to the G-Ball I have found nothing in the patent databases.**

Time: 1:55 P.M.  
Date: 9-23-87

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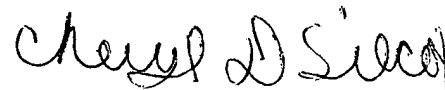
This is to confirm the date and time in which my line of thought and intentions to progress and produce my idea are to be recorded.

I will have a sphere or other shapes blow molded from either polypropelene or polyethelene or other non-pourous plastic. During the last portion of the blow molding process, a helium gas or other gas lighter than air will be injected into the sphere. The weight of the sphere will be counterbalanced by the helium or other gas from the inside and float in mid air possibly forever. Molecular densities, absolute densities and relative densities are taken into consideration for the plastics gases and also the other element: the air.

A patent pending will be sought after further progress is completed. All rights are reserved by myself.



Herman Thiele  
Inventor



CHERYL D. SILCOX  
Notary Public, State of Ohio  
My Commission Expires July 13, 1992